

RESUME – CHRIS SCHWARZFISCHER

FOCUS AND OBJECTIVE

Identifying technology suitable for the client, evaluating and prioritizing software platforms/solutions aligned with the client's strategic goals. Finding the optimal way of integration with existing infrastructure elements –strategically and economically.

Supporting the management decision-making process by providing the client with precise and up-to-date documentation.

Play an active role in building the client's solution.

Deliver results on the highest quality level.

EXPERIENCE

Freelance Consultant (2001-present)

2013

Mobile App Architecture

Role: Consultant

- Requirements analysis/streamlining
- Technology selection
- Decision on implementation strategy

Technology: Web/Mobile

2013

Portal optimization

Role: Consultant

- Identify potential for optimization
 - Customer facing
 - SEO
- Propose steps for improvement
- Coordinate implementation

Technology: Web

2013

QA Management

Role: Architect

- Definition of quality metrics
- Establishment of automatic end-to-end test procedure
- Continuous integration system integration

Technology: Eclipse, jMeter, Linux, Bash, Solr

2012-2013

REST endpoint for secure data transport and aggregation

Role: Architect, Senior Developer

- High performance data processing
- Automated caching and serialization strategy
- Data conversion
- Reporting
- Digital Signature and Encryption

Technology: X.509, RFC3161 Timestamping, Redis, Apache, Python, PHP

2012-2013

Native iPhone application for secure message transport

Role: Senior Developer

- Data retrieval from backend and display
- Offline Storage and Data Entry
- Data Signing and Encryption
- Push notification integration

Technology: Xcode, Objective C, AFNetworking, CoreData

Team Size: 3

2012

Requirements Management

- Requirements definition for extensions to a recently introduced CRM system
- Data migration strategy
- Monitoring

Focus: CRM

2012

VoIP Convergence Consulting

Role: Analyst

- Vendor selection and screening
- M&A scenario analysis
- Development of proposal for going forward

Team Size: 5

2012

Mobile Transaction Interface

Role: Architect

- Mediation interface for MNO functionality
- Integration of MNO transaction interfaces
- Secure operation of standardized interfaces

Technology: Spring, Oracle, PHP, RoR

Team Size: 5

2012 (ongoing)

ETL Process Implementation

Role: Senior Developer

- Extension of existing solutions

Technology: Pentaho Data Integration, MySQL, CakePHP

Team Size: 3

2012

Native iPhone application for radio streaming

Role: Senior Developer

- Live radio streaming
- Facebook integration
- Playlist integration

Technology: Xcode, Objective C

2011-2012

Native iPhone Application(s)

Role: Project Lead, Senior Developer

- Data retrieval from backend and display
- Offline Storage and Data Entry
- Server synchronisation
- Push notification integration

Technology: Xcode, Objective C, Restkit, CoreData

Team Size: 5

2011

Customer portal change management

Role: Senior Consultant

- Portal analysis
 - Analysis of current usage KPIs
 - Development and presentation of change proposal
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2011

Secure File Transfer System

Role: Architect, Senior Developer

- Custom mechanism for automatic secure file transport between systems
- Receipt generation and processing

- Digital Signature and Encryption

Technology: Bash, OpenSSH, X.509, RFC3161 Timestamping, SQLite, Apache, PHP

Team Size: 5

2011

Mobile Web HTML Game

Role: Senior Developer

- Simple game supporting marketing campaign(s)
- Desktop browser fallback for reuse in „standard“ web page

Technology: HTML5, CSS3, jQuery, jQTouch, MySQL, CakePHP

Team Size: 3

2010-2011

iPhone Web Application(s)

Role: Senior Developer

- Analysis/Decision on frameworks
- Reuse of common components to support recurring marketing campaigns

Technology: CakePHP, MySQL, jQuery, jQTouch

Team Size: 4

2010

ETL Process Implementation

Role: Senior Developer

- Parallel processing of bet data
- Report generation
- Management Interface

Technology: Pentaho Data Integration, MySQL, CakePHP

Team Size: 2

2010

Native iPhone Application

Role: Senior Developer

- Push Notifications
- High frequency server updates
- Optimized Transfer

Technology: XCode, Objective C, PHP, MySQL, Varnish, Apache

Team Size: 3

2010

Asterisk VoIP implementation

Role: Project lead

- Asterisk deployment for local SMB
- Call routing / Dial plan setup

Team Size: 3

2009-2010

iPhone Web Application

Role: Senior Developer

- Database backed web application
- Look & Feel identical to native iPhone app
- Geolocation support for automated user data entry

Technology: CakePHP, MySQL, jQuery JS Library

Team Size: 3

2009-2010

ETL Process Implementation

Role: Senior Developer

- Extraction from COBOL generated data files
- Transformation based on database backed configuration

- Data export to downstream process

Technology: Pentaho Data Integration, Oracle

Team Size: 2

2009

Portal Development

Role: Project Lead

- Customer facing order entry system
- Streamlined process for ordering products
- Transport order entry data to backend processes
- Scrum inspired development process

Technology: CakePHP, MySQL, jQuery JS Library

Team Size: 8

2008-2009

Portal Development

Role: Project Lead

- Industry web portal targeting
 - Knowledge sharing
 - Personal relationships
 - Learning content

Technology: J2EE Servlet, O/R Mapping Tools, Webservices, Dojo JS Library, PostgreSQL database

Team Size: 10

2007-2008

VoIP Softphone

Role: Analyst, Technology consultant

- Custom VoIP Client based on vendor provided SDK
- SIP based Instant Messaging and Presence
- Bandwidth management

- Conferencing and video features
- XMPP based instant messaging analysis

Team Size: 5

2006

VoIP System Design and Quality Management

Role: Analyst, Technology consultant

- Custom VoIP Client based on vendor provided SDK
 - Bandwidth management
 - Codec evaluation and setup
 - Conferencing and video features
 - NAT traversal strategies and implementation of a FW/NAT traversal solution
 - Selection of vendor for underlying technology
 - Implementation and test
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2006

VoIP System Design and Quality Management

Role: Analyst, Technology consultant

- Custom VoIP Client based on vendor provided SDK
 - Bandwidth management
 - Codec evaluation and setup
 - Conferencing and video features
 - NAT traversal strategies and implementation of a FW/NAT traversal solution
 - Selection of vendor for underlying technology
 - Implementation and test
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2003 – 2005

Product Management for a well-known international ISP

- Premium services rating and billing engines (subscriptions and events)
- Integration of micropayment systems

- Digital music shopping and distribution system
- Redesign of customer self service portal (billing related)
- Access billing updates and optimization
- Billing and rating infrastructure optimization and rollout

Focus: Billing and rating processes , digital media media platforms

2003

Business case analysis, application design and project management of a database driven sales support application

Technology: Visual Basic, Oracle

2002-2003

Business case analysis, application design and project management of a database driven gambling agent application, e-commerce frontend.

Technology: J2EE Servlet, O/R Mapping Tools, Template Libraries, Crypto Libraries, Java Client, MySQL database

2002

Design of acceptance tests and quality management for a completely outsourced network infrastructure and IT services

2001-2002

Conceptional work and execution of a request for proposal for a complete outsourcing of network infrastructure and desk-top services with \$10 million annual budget

FOUNDER AND GENERAL MANAGER

e. effective web productions GmbH, Germany (1997-2001)

- Financial Management
- Head of Software Development
- Management of 10 person staff

Recruitment and training of web development, application server programming and database development

2001

Analysis of business case, design, implementation and support of a web-based e-procurement system for nursing homes and hospitals

Technology: WebObjects 5 on Solaris, Oracle 8i database

2000

Analysis of business case, design, implementation and support of a web-based e-learning internet shopping system

Technology: WebObjects 4.5 on Solaris, Oracle 8i database

2000

Analysis of business case, design, integration of technology/content partners and optimization of a product base search engine for the largest European ISP

Technology: WebObjects 4.5 on Solaris, Oracle 8.0 database

1999-2000

Analysis of business case, design, implementation and support of a shopping portal web application for the largest European ISP

Technology: WebObjects 4.5 on Solaris, Oracle 8.0 database

1999

Design and development of a firewall analysis tool for a major German bank

Technology: Sun C++ on Solaris

1998

Complete intranet IP design for the largest European ISP

1997

IP Routing design and implementation in a firewall environment for the largest European ISP

SELF-EMPLOYED (1995-1997)

Consulting ISPs in design and implementation of network infrastructure

Technical customer support

EDUCATION

1995-2000

Computer science and economics

EXECUTIVE SKILLS

- Excellent written and verbal communication skills
- Project Management for small and medium sized teams (< 20 team members)
- Creative problem-solving
- Access to a network of consultants with in-depth project experience from prior joint projects

Languages: German (native), English (fluent)

TECHNICAL EXPERTISE

Development related

Objective-C, PHP, Python, Java, C++/C, (X)HTML0-5, Javascript (and libs)

Network related

XMPP, SIP, RTP, all web transport technologies and underlying basics

Security related

X.509, IPSec, Cisco firewalls, Linux based filtering techniques